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(21) International Application Number: PCT/US89/01453 (22) International Filing Date: 7 April 1989 (07.04.89) (30) Priority data: 179,406                      8 April 1988 (08.04.88)      US 232,630                      15 August 1988 (15.08.88)      US 315,342                      23 February 1989 (23.02.89)      US (60) Parent Applications or Grants (63) Related by Continuation US    179,406 (CIP) Filed on                                      8 April 1988 (08.04.88) US    232,630 (CIP) Filed on                                      15 August 1988 (15.08.88) US    315,342 (CIP) Filed on                                      23 February 1989 (23.02.89) (71) Applicant (for all designated States except US): CREATIVE BIOMOLECULES, INC. [US/US]; 35 South Street, Hopkinton, MA 01748 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KUBERASAMPATH, Thangavel [IN/US]; 6 Spring Street, Medway, MA 02053 (US). OPPERMANN, Hermann [US/US]; 25 Summer Hill Road, Medway, MA 02053 (US). RUEGER, David, C. [US/US];		150 Edgemere Road, Apt. 4, West Roxbury, MA 02132 (US). OZKAYNAK, Engin [TR/US]; 44 Purdue Drive, Milford, MA 01757 (US). (74) Agent: PITCHER, Edmund, R.; Lahive & Cockfield, 60 State Street, Boston, MA 02109 (US). (81) Designated States: AT (European patent), AU, BB, BE (European patent), BF (OAPI patent), BG, BJ (OAPI patent), BR, CF (OAPI patent), CG (OAPI patent), CH (European patent), CM (OAPI patent), DE (European patent), DK, FI, FR (European patent), GA (OAPI patent), GB (European patent), HU, IT (European patent), JP, KP, KR, LK, LU (European patent), MC, MG, ML (OAPI patent), MR (OAPI patent), MW, NL (European patent), NO, RO, SD, SE (European patent), SN (OAPI patent), SU, TD (OAPI patent), TG (OAPI patent), US. Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. (88) Date of publication of the international search report: 8 February 1990 (08.02.90)	
(54) Title: OSTEOGENIC DEVICES			
(57) Abstract			
<p>Disclosed are 1) osteogenic devices comprising a matrix containing osteogenic protein and methods of inducing endochondral bone growth in mammals using the devices; 2) amino acid sequence data, amino acid composition, solubility properties, structural features, homologies and various other data characterizing osteogenic proteins, and 3) methods of producing osteogenic proteins using recombinant DNA technology.</p>			

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